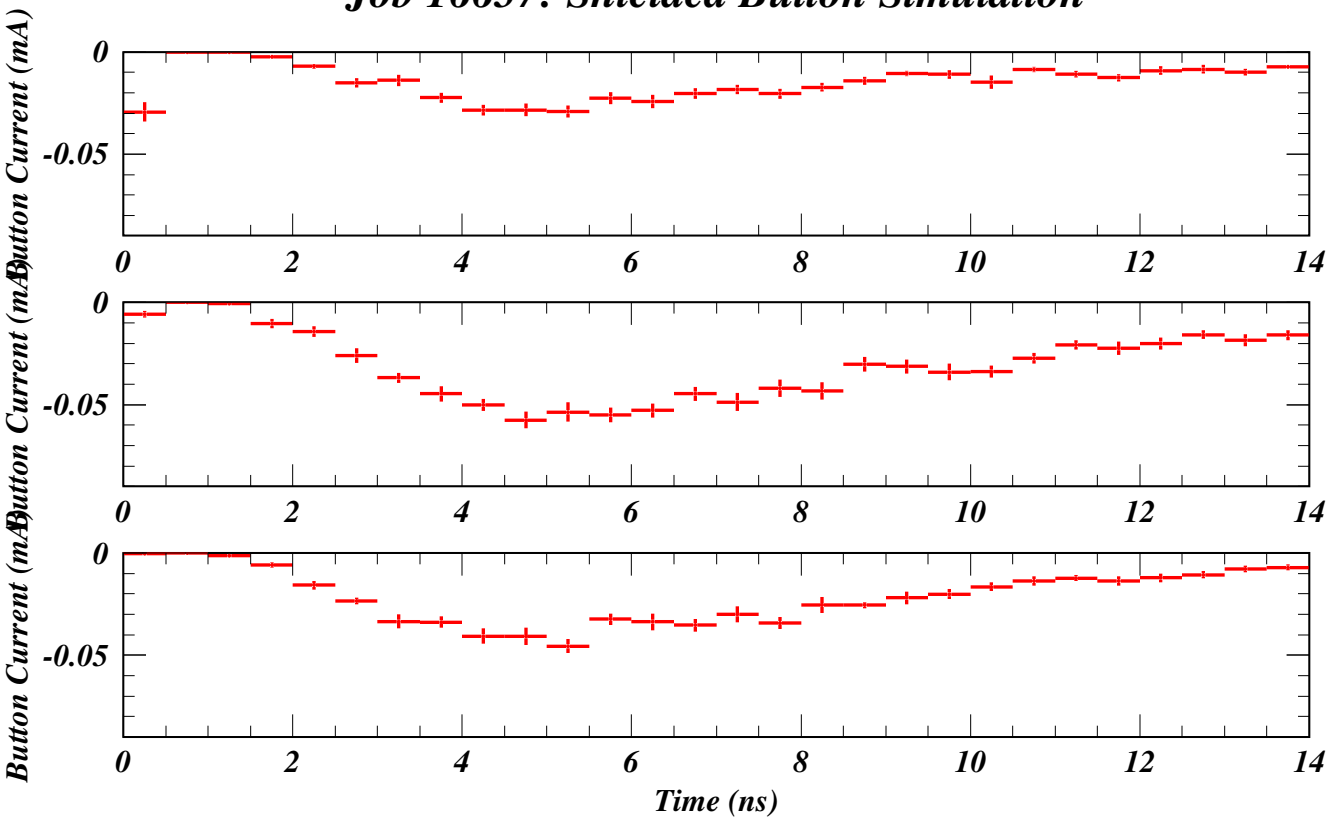
10/08/02 13.56

Job 16637: Shielded Button Simulation



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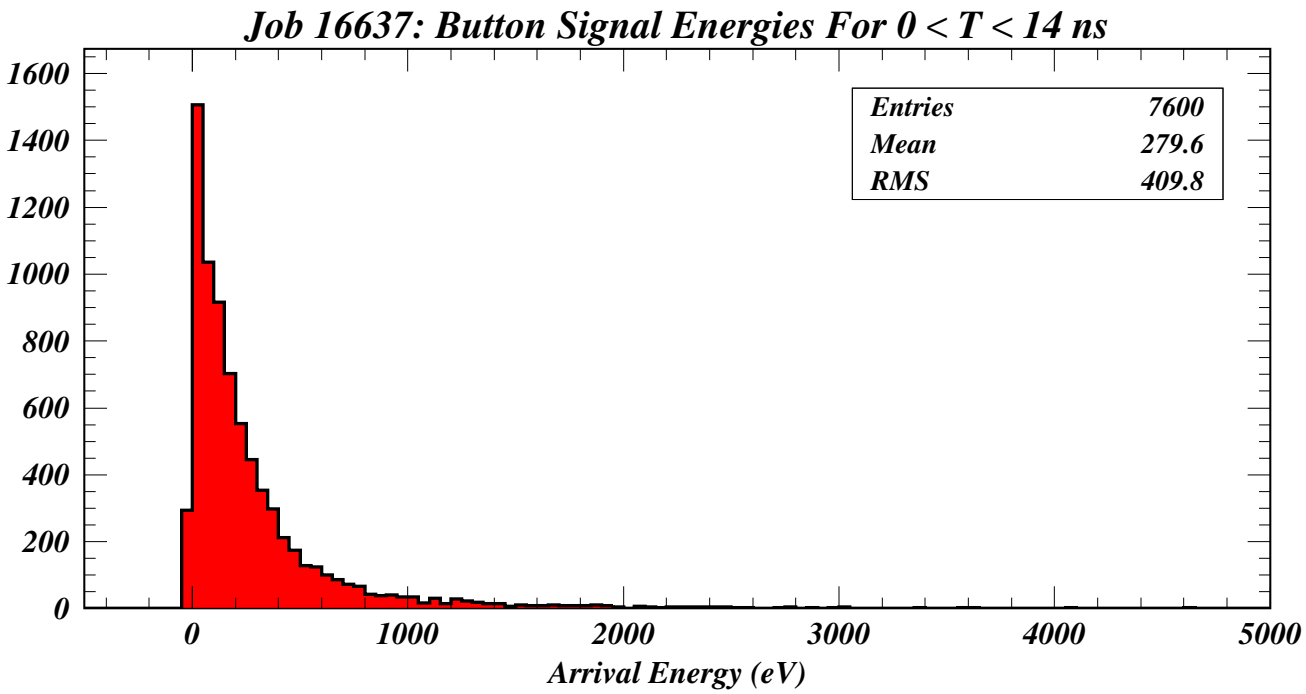
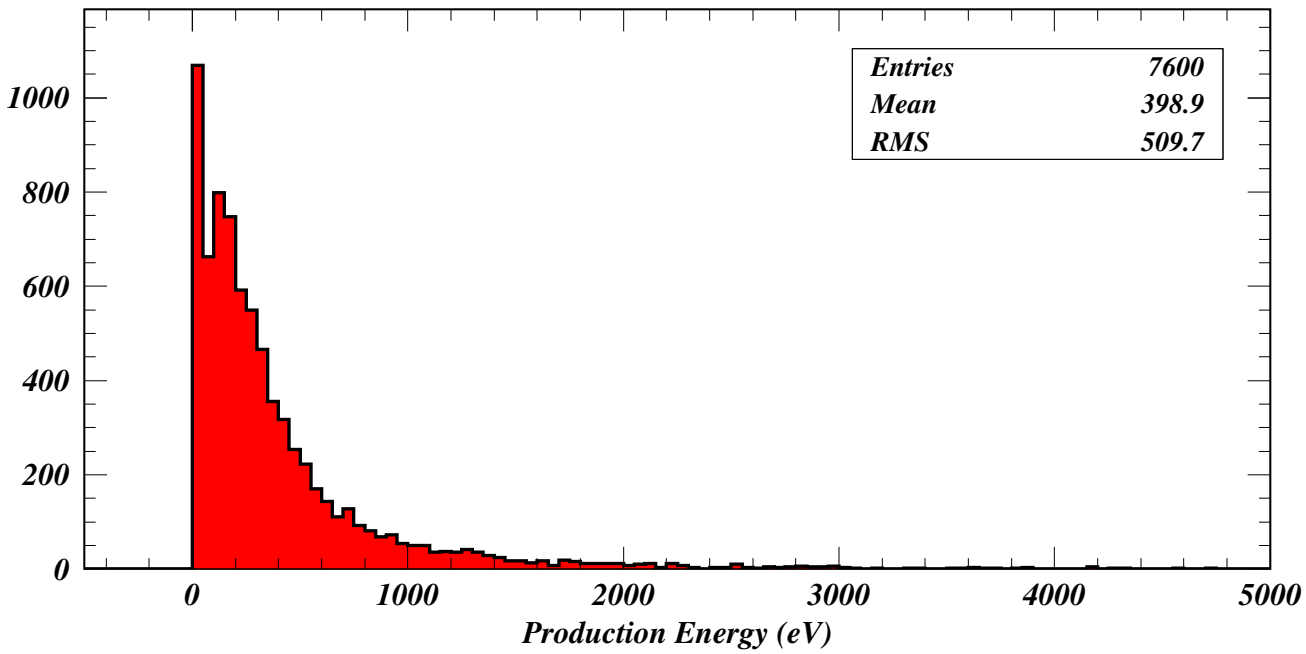

Job 16637: Button Signal Energies For 0 < T < 14 ns
Entries 7600
Mean 279.6
RMS 409.8
1600
1400
1200
1000
800
600
400
200
0
0
1000
2000
3000
4000
5000
Arrival Energy (eV)


Entries 7600
Mean 398.9
RMS 509.7
1000
800
600
400
200
0
0
1000
2000
3000
4000
5000
Production Energy (eV)

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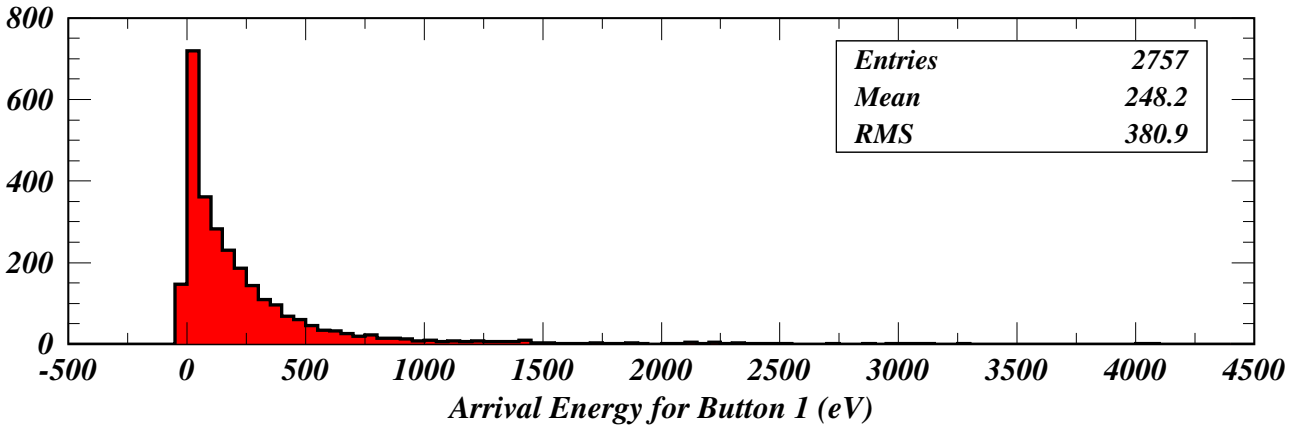
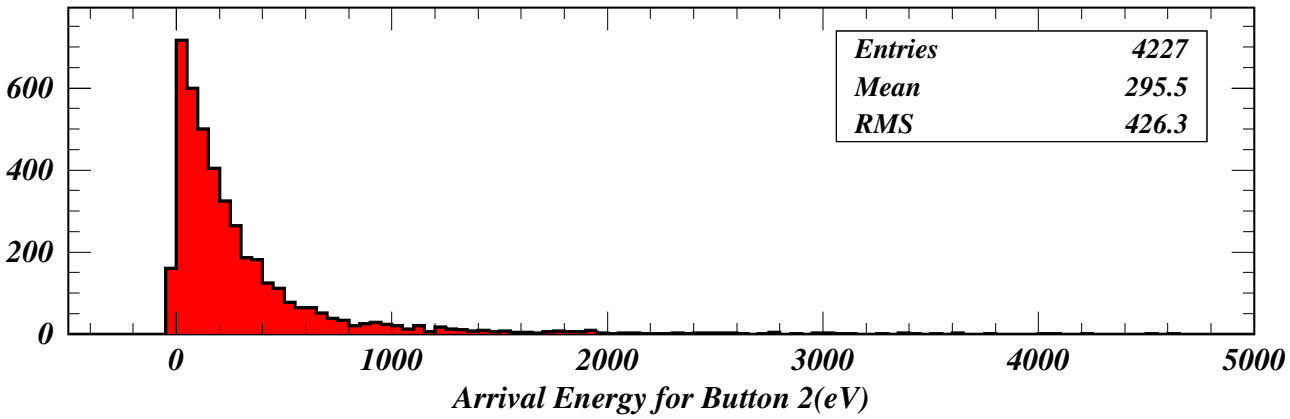
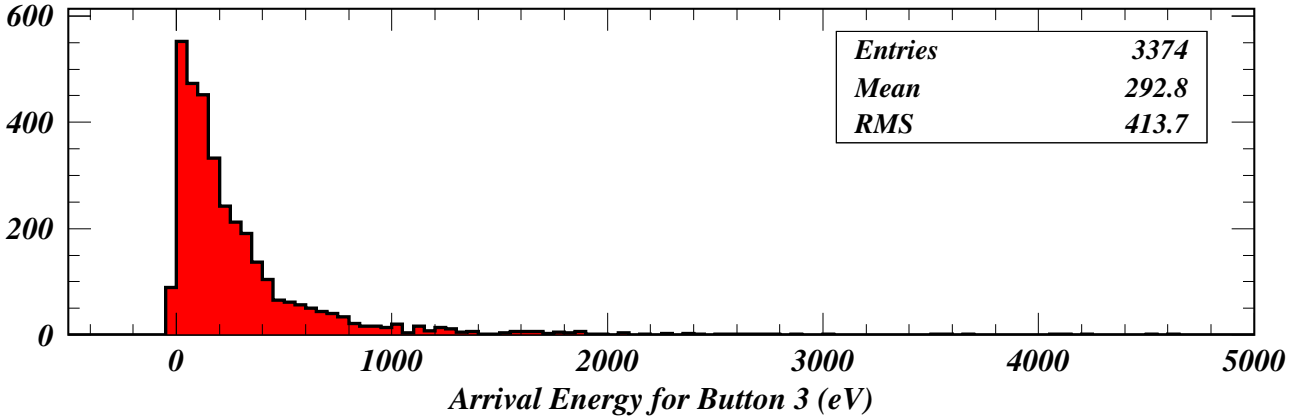
Job 16637: Button Signal Energies For 0 < T < 14 ns







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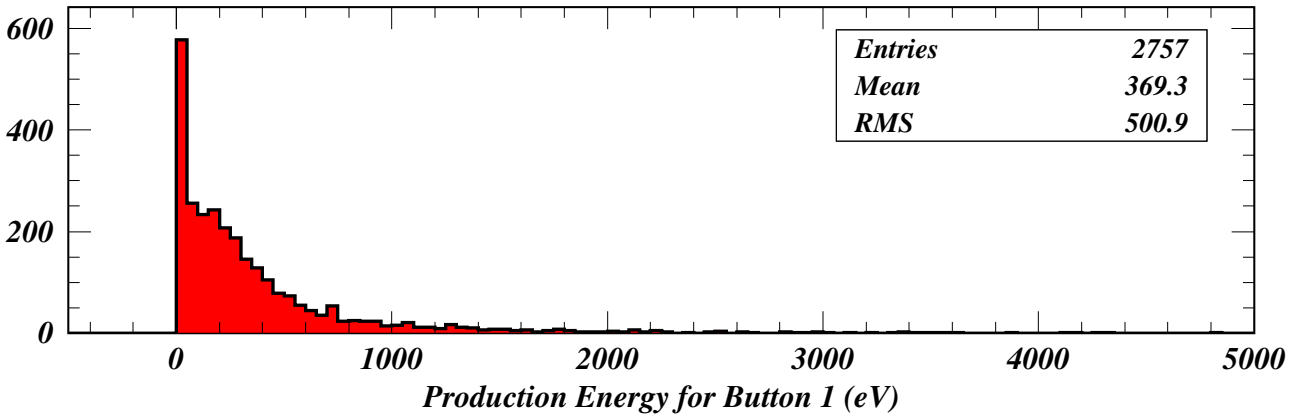
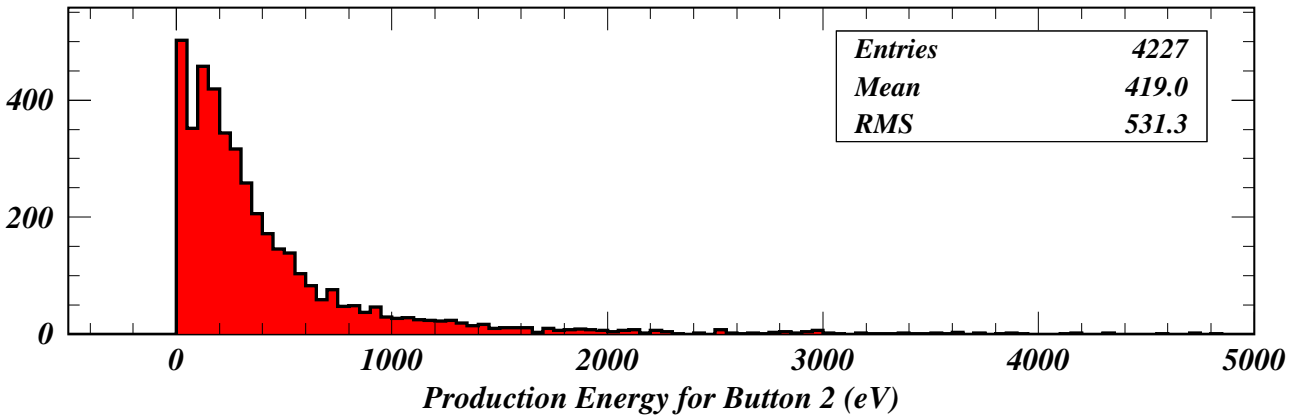
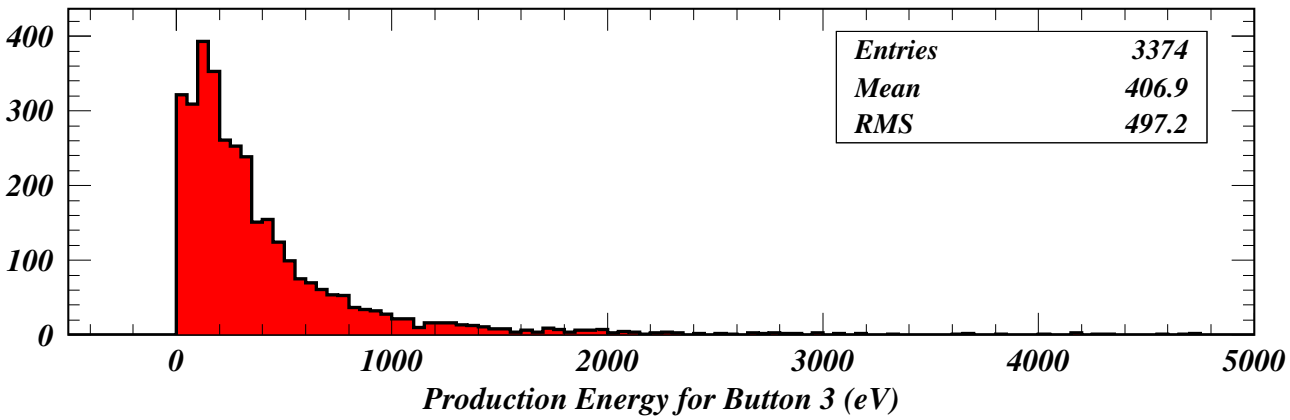
Job 16637: Button Signal Energies For 0 < T < 14 ns







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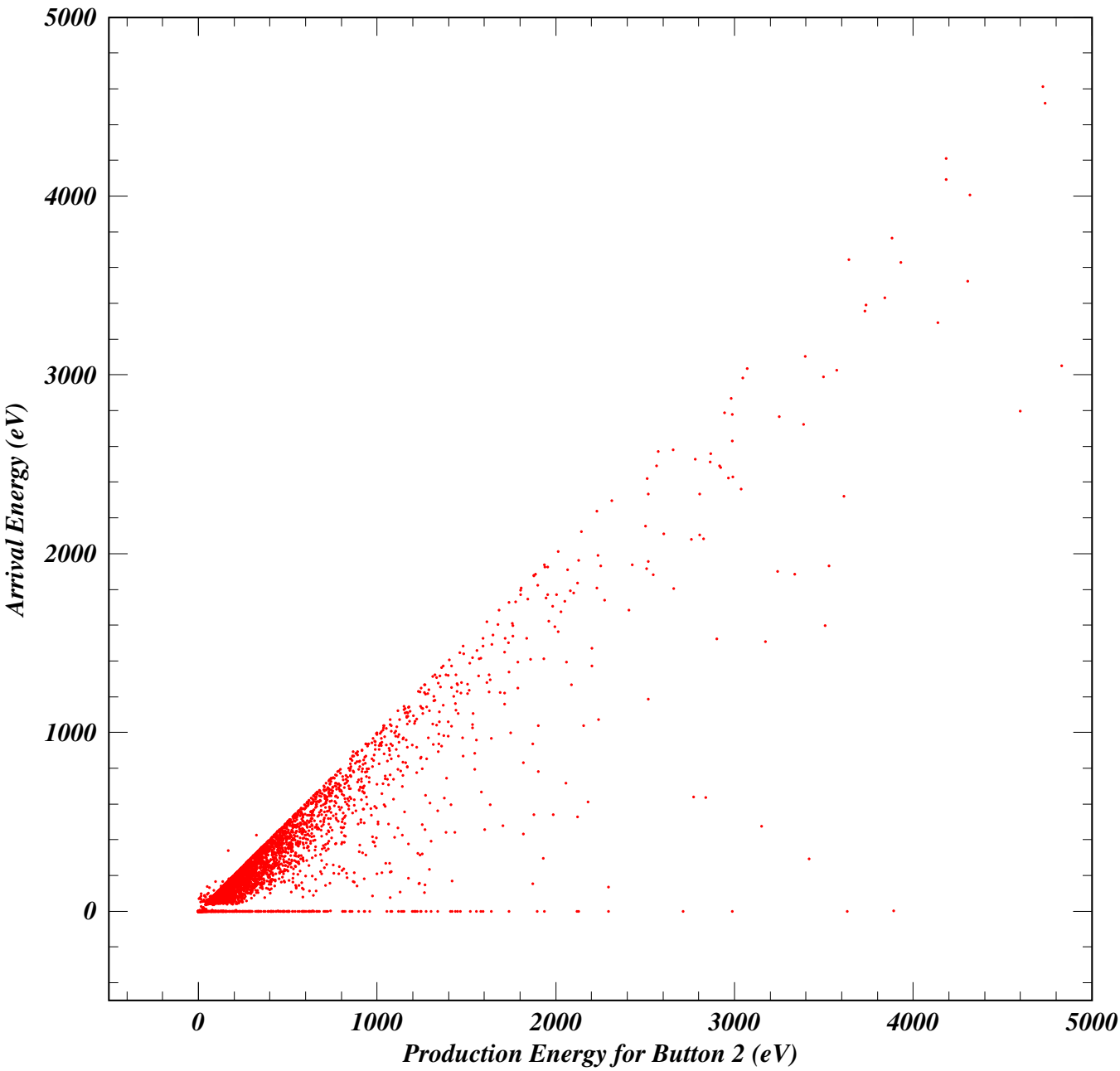
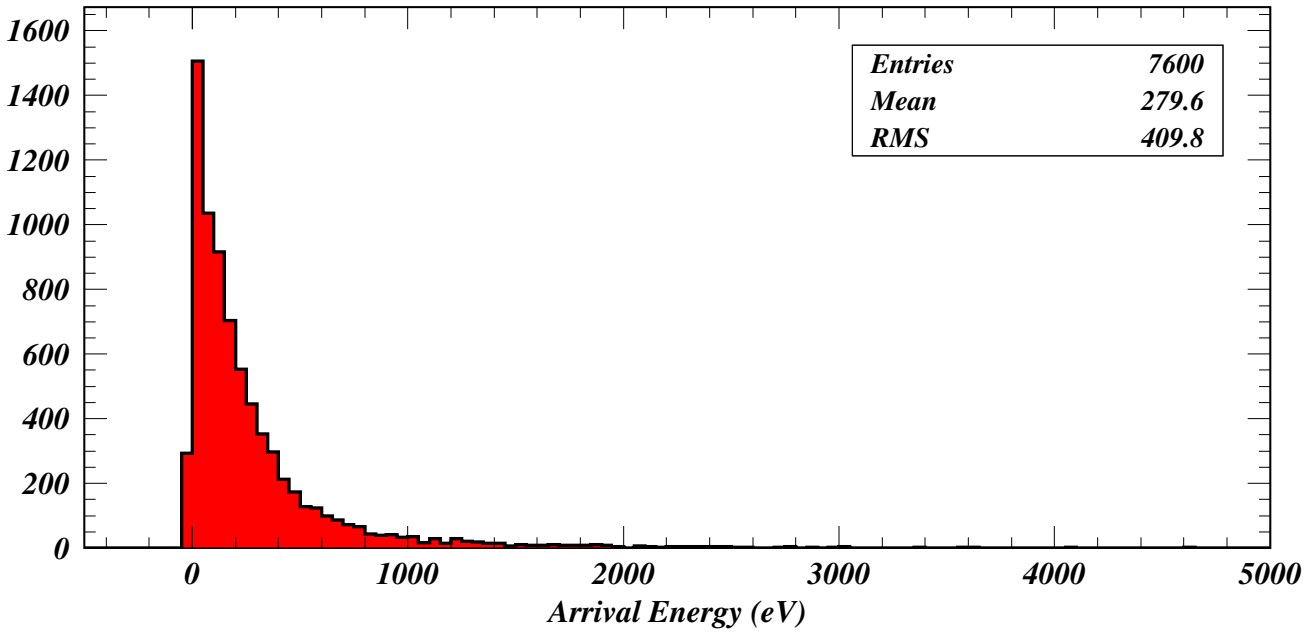
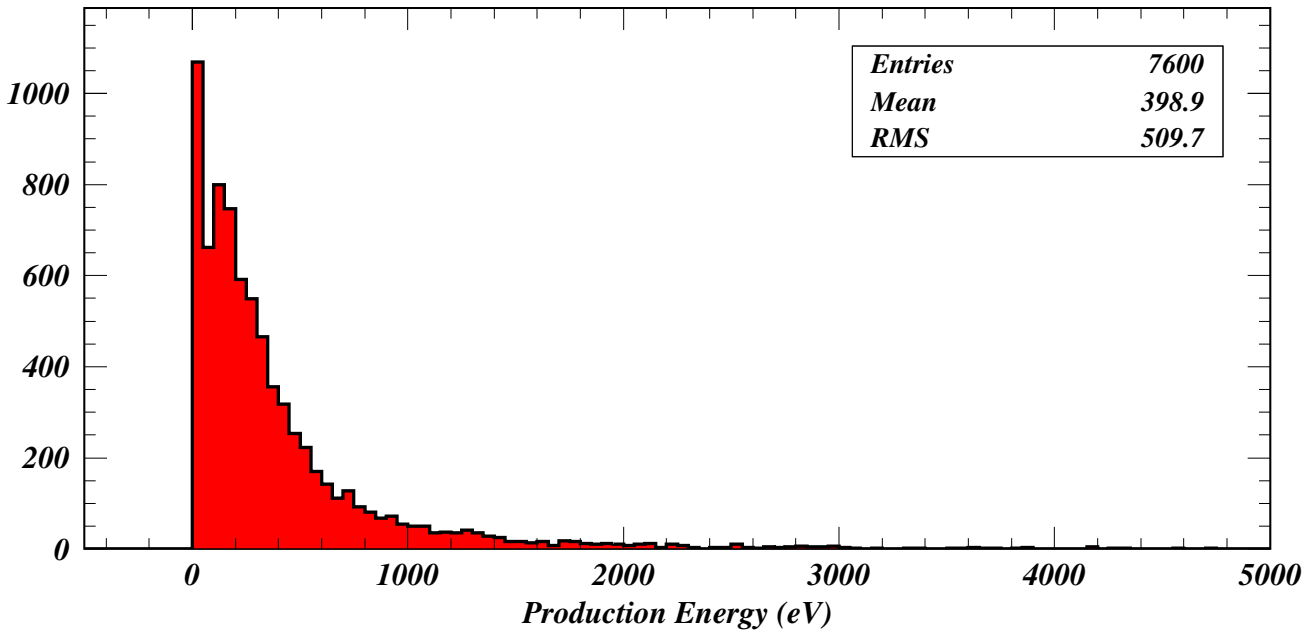
Job 16637: Button Signal Energies For 0 < T < 14 ns



10/08/02 13.56

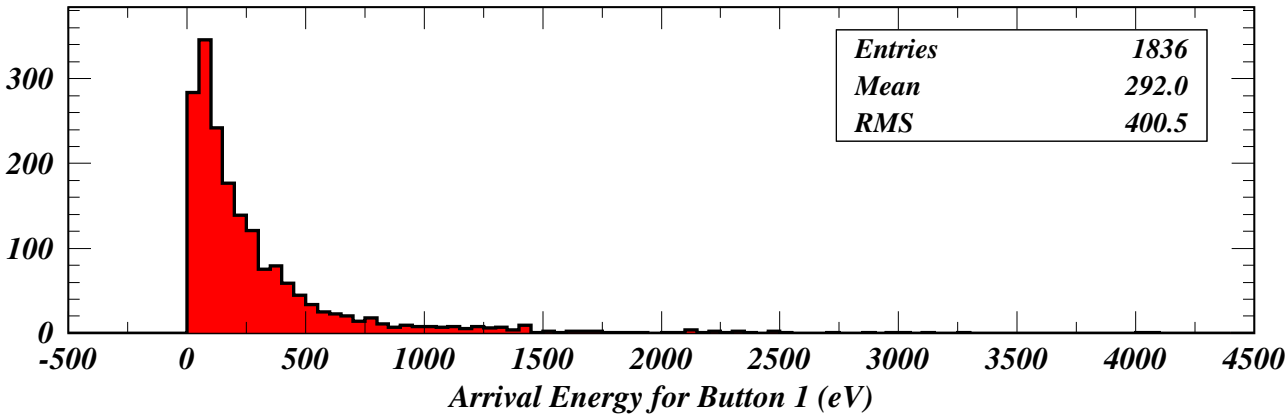
Job 16637: Button Signal Energies For 0 < T < 14 ns: Primaries Only

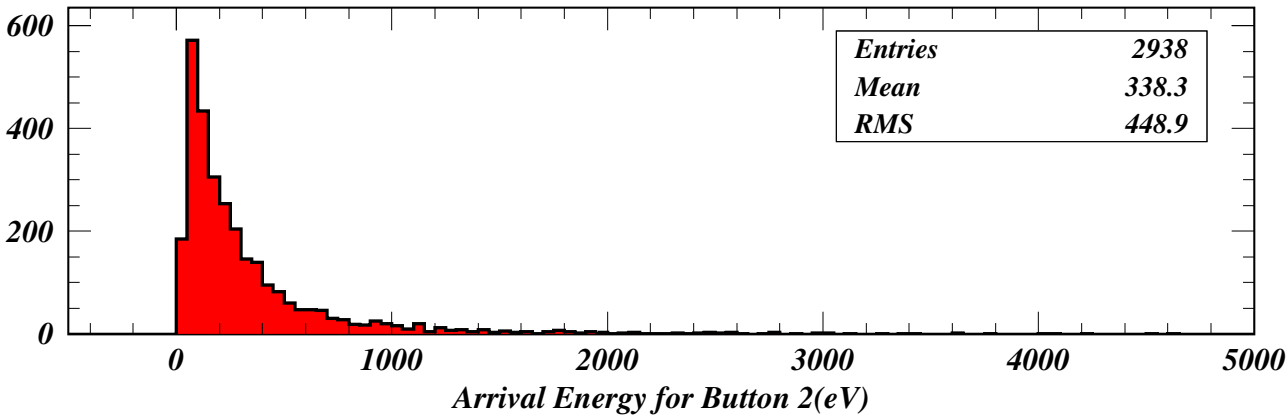


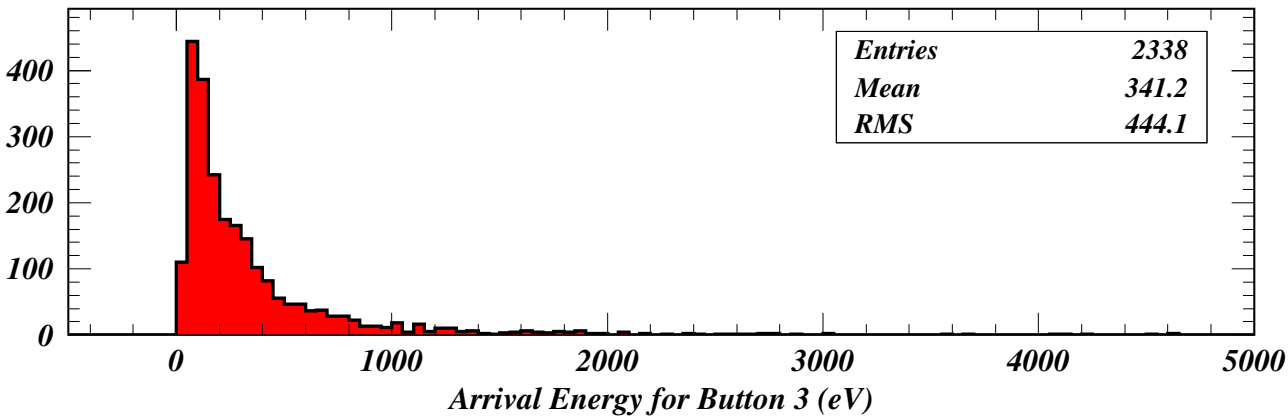


10/08/02 13.56

Job 16637: Button Signal Energies For 0 < T < 14 ns: Primaries Only

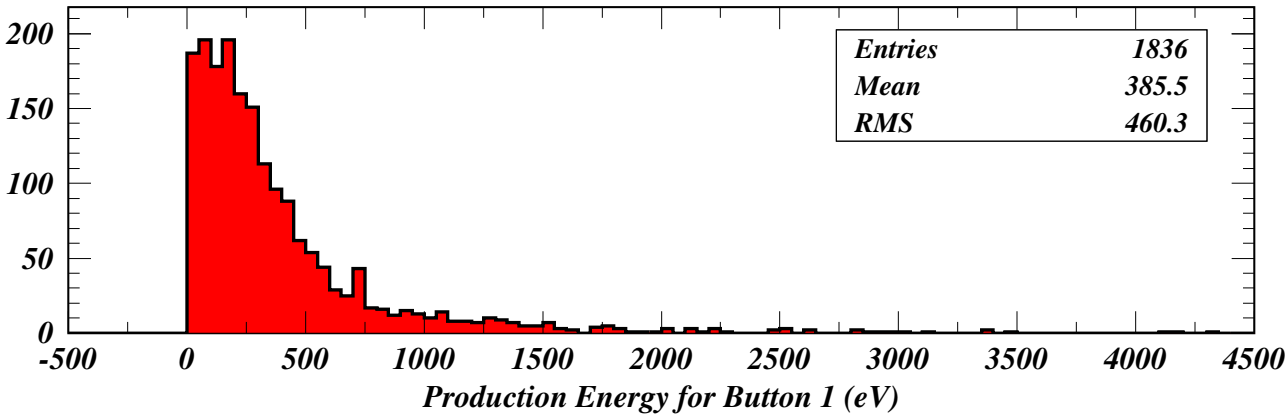


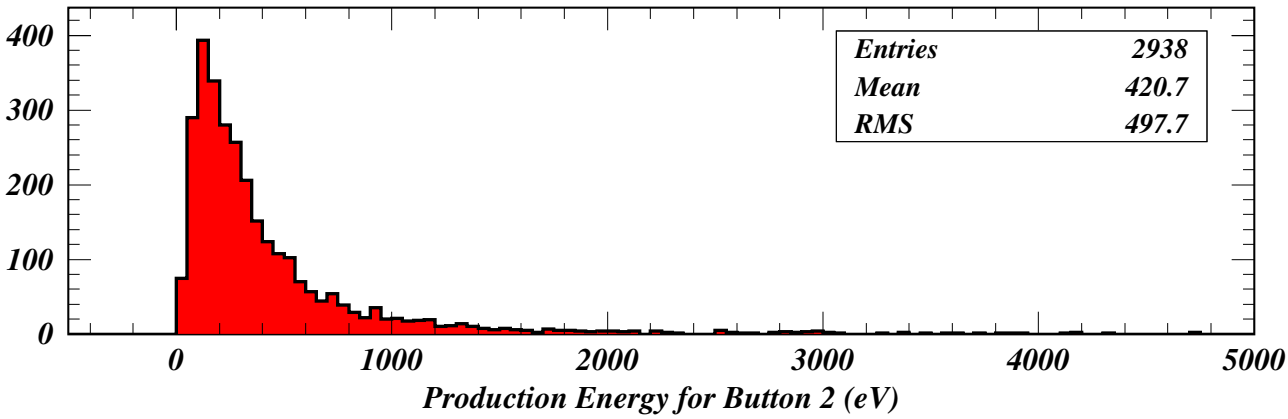


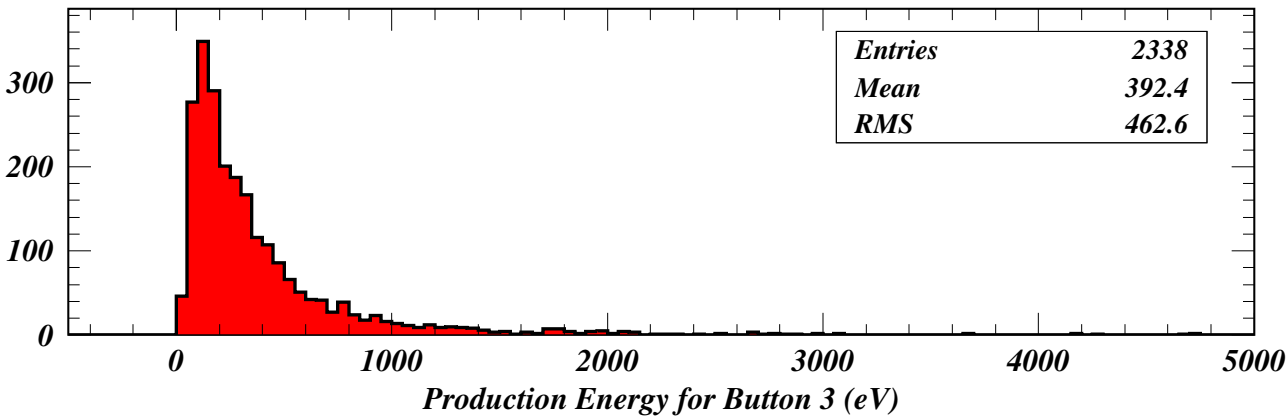


10/08/02 13.56

Job 16637: Button Signal Energies For 0 < T < 14 ns: Primaries Only

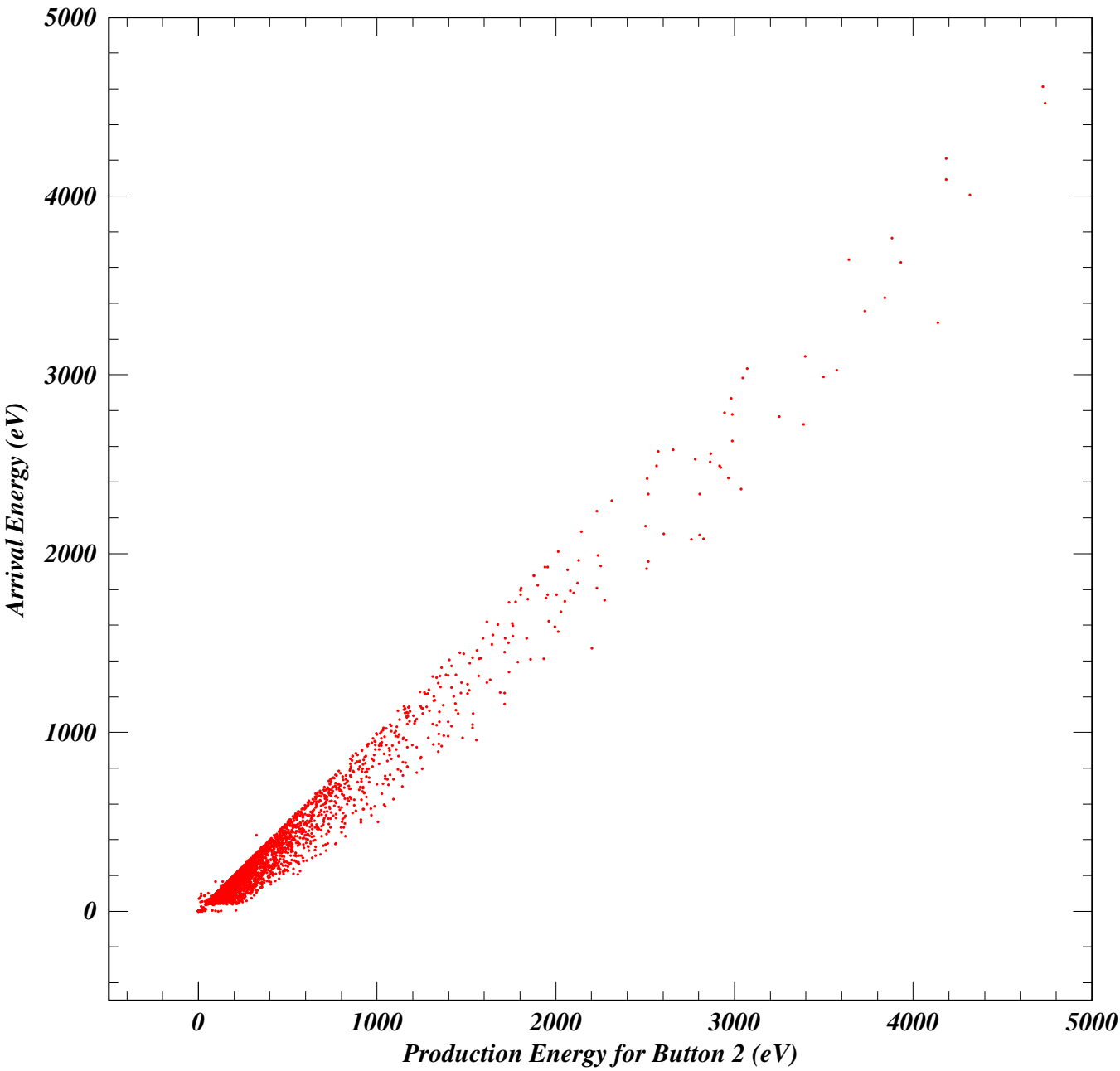






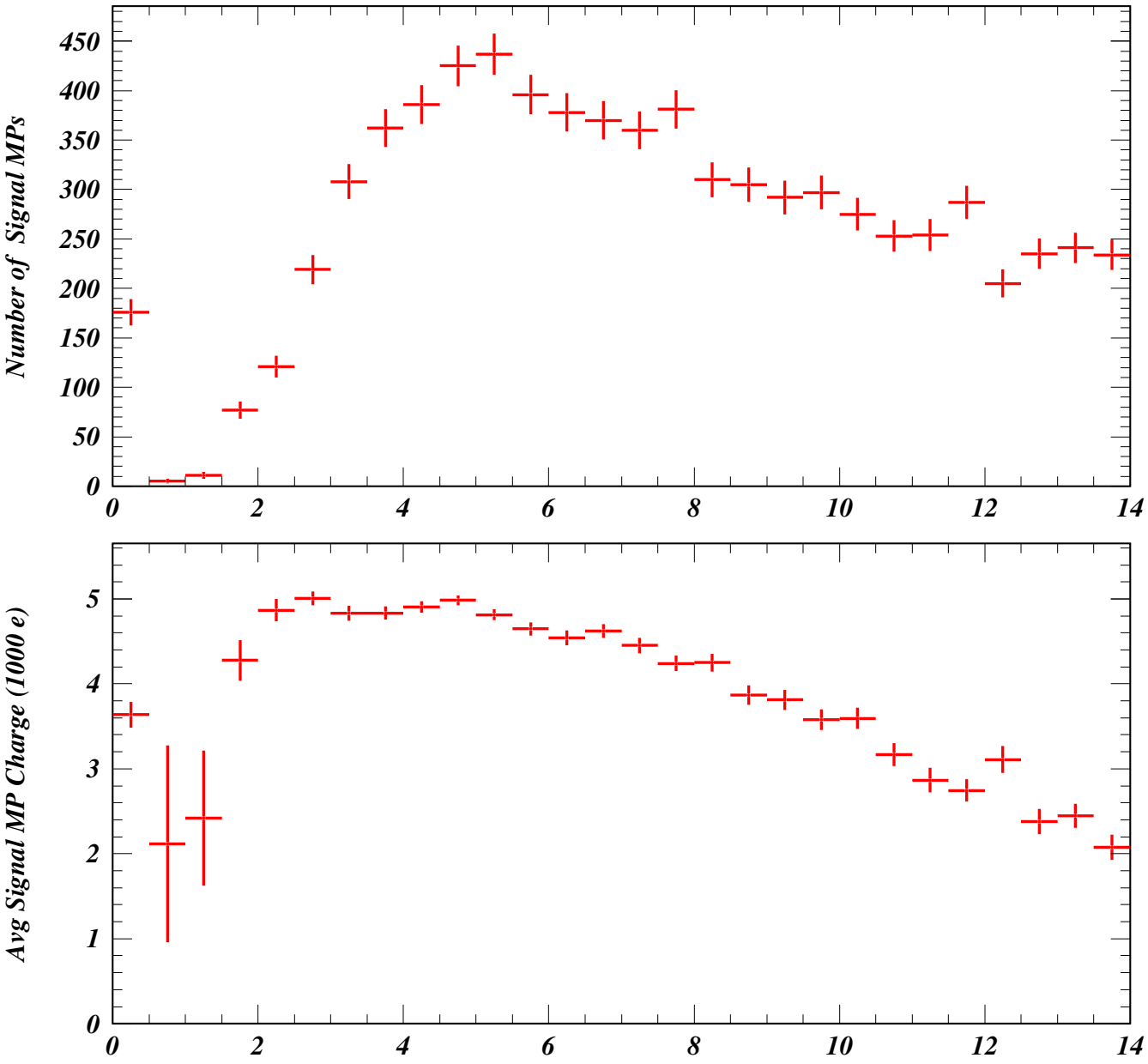
10/08/02 13.56

Job 16637: Button Signal Energies For 0 < T < 14 ns: Primaries Only



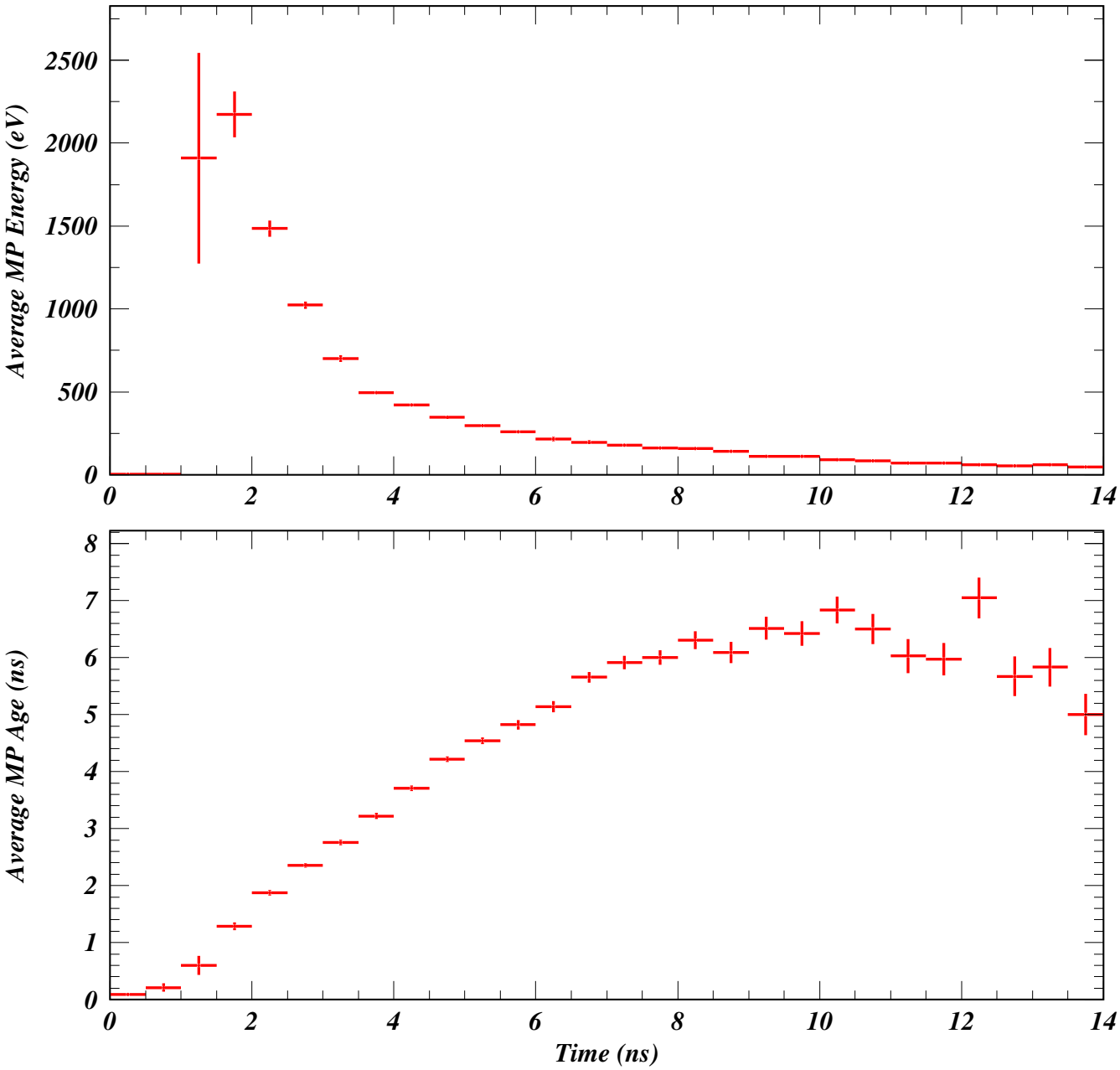
10/08/02 13.56

Job 16637: Button Signal Macroparticles For 0 < T < 14 ns



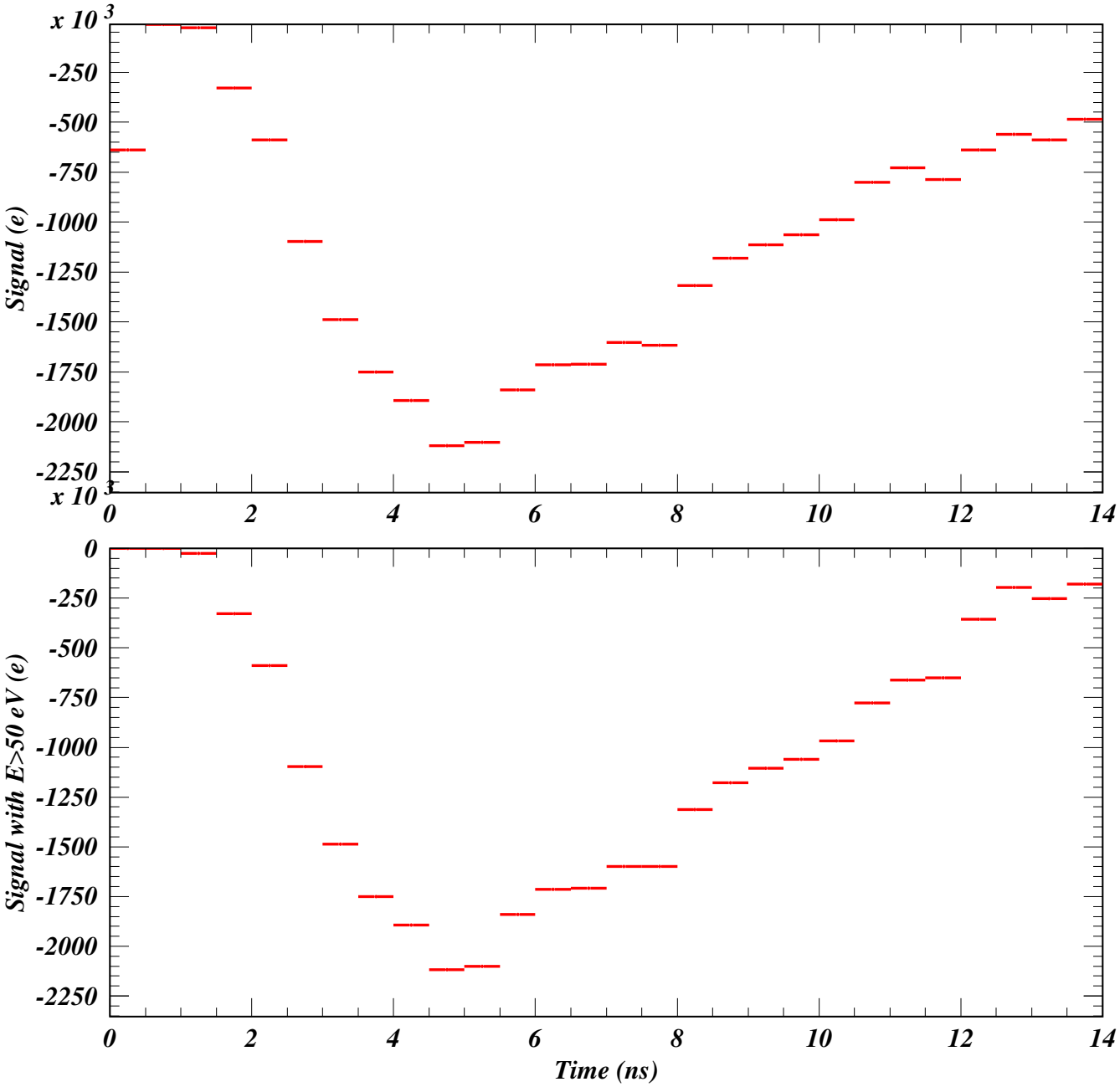
10/08/02 13.56

Job 16637: Button Signal Macroparticles For 0 < T < 14 ns



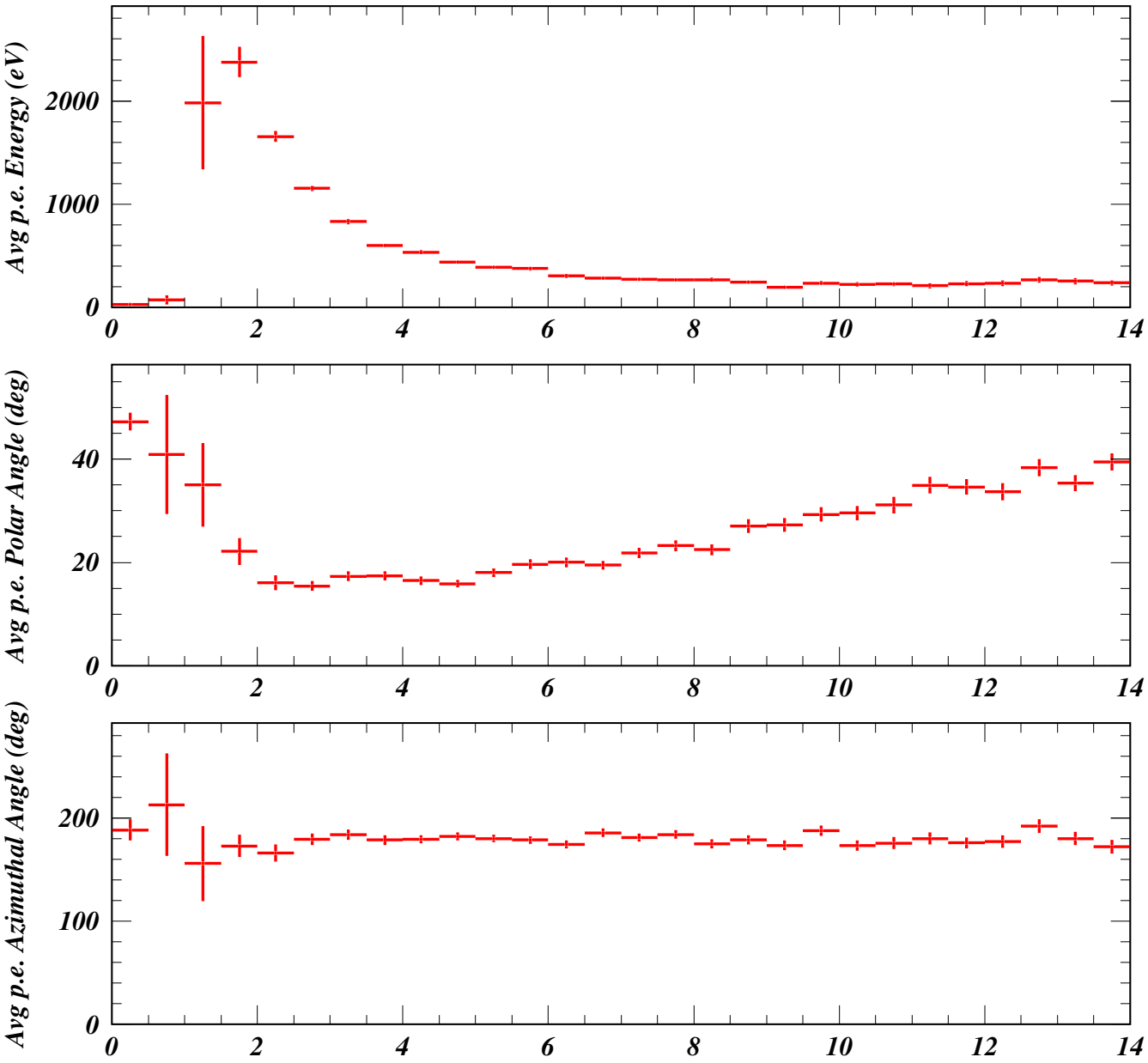
10/08/02 13.56

Job 16637: Button Signal Macroparticles For 0 < T < 14 ns

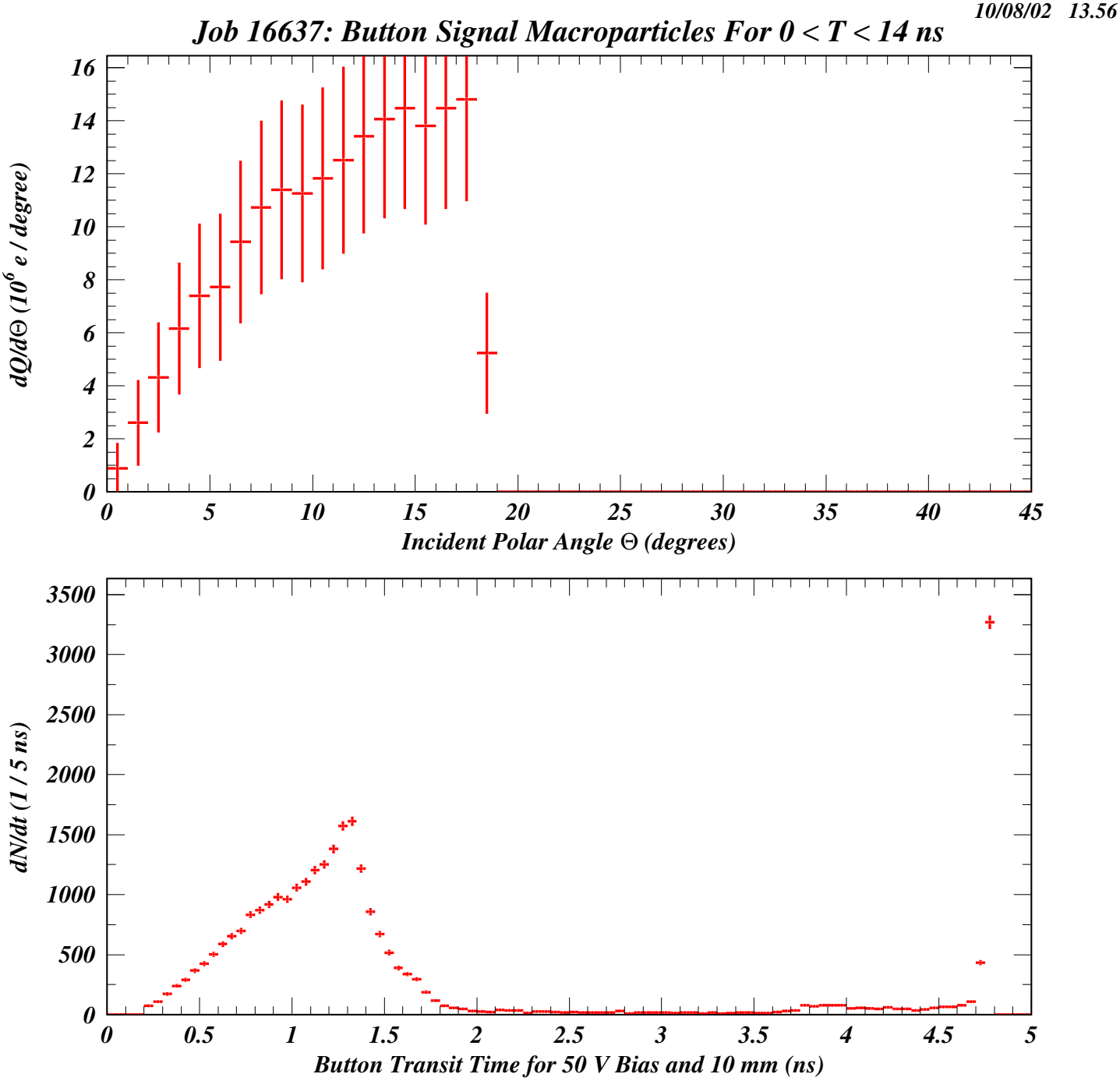


10/08/02 13.56

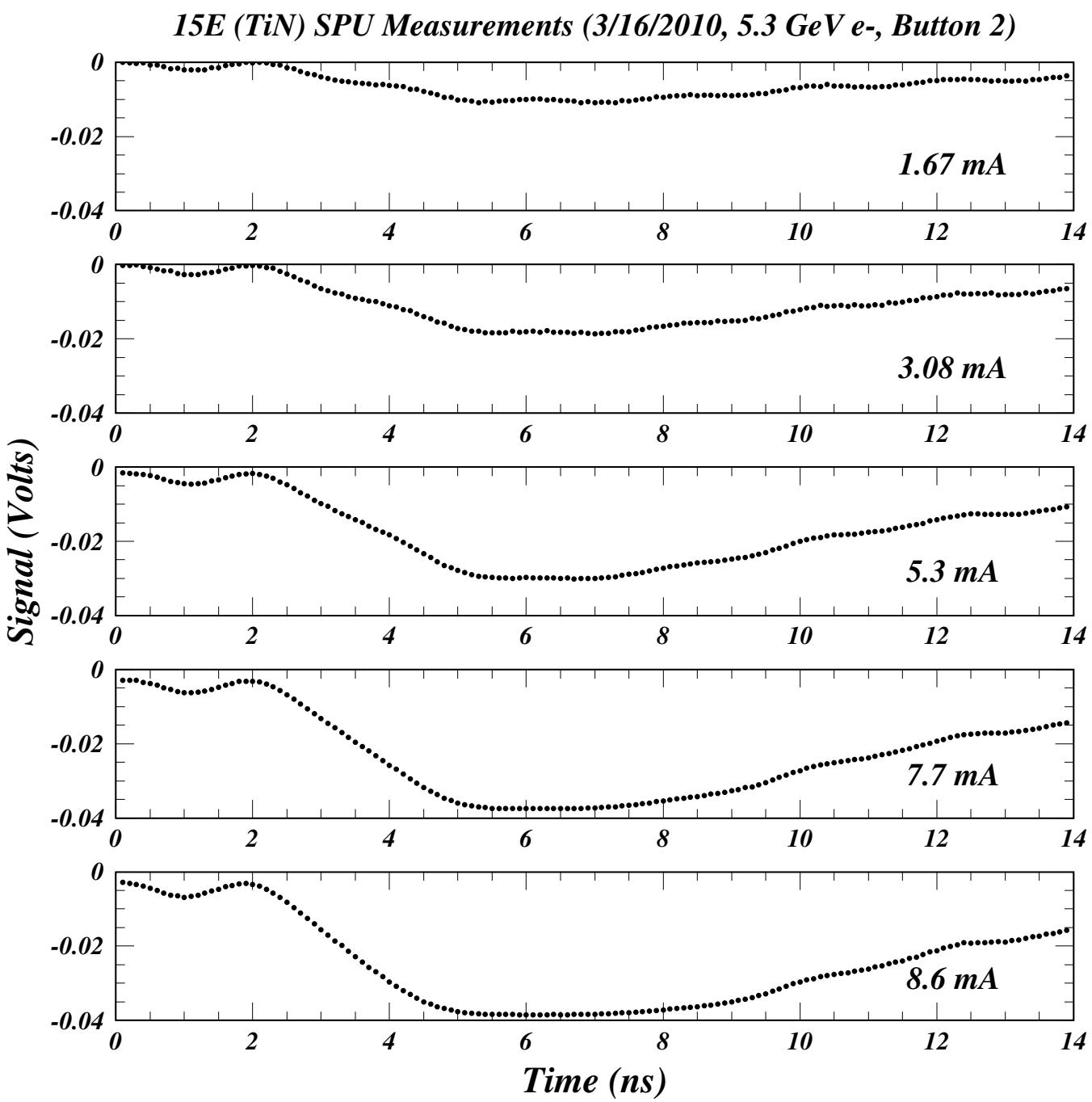
Job 16637: Button Signal Macroparticles For 0 < T < 14 ns



10/08/02 13.56


Job 16637: Button Signal Macroparticles For 0 < T < 14 ns
dQ/dΘ (10^6 e / degree)
Incident Polar Angle Θ (degrees)
dN/dt (1 / 5 ns)
Button Transit Time for 50 V Bias and 10 mm (ns)

10/08/02 13.56


15E (TiN) SPU Measurements (3/16/2010, 5.3 GeV e-, Button 2)
Signal (Volts)
Time (ns)
1.67 mA
3.08 mA
5.3 mA
7.7 mA
8.6 mA
0
-0.02
-0.04
0
2
4
6
8
10
12
14